

Introduction to Engineering Seismology

Module 4 Instruction to seismic zones and codes and seismic hazard mapping, Concept of seismic microzonation and methodology, Deterministic and Probabilistic Seismic hazard analysis

Learning Objectives

To learn the concepts of seismic zonation, methodology for seismic zonation data and seismic hazard analysis

Highlights and Motivation

The following topics are discussed in this module, which is divided as a three lectures for the duration of 8 hours.

- ❖ Seismic zones and codes
- ❖ Global and National seismic hazard assessment map
- ❖ Concept of seismic microzonation and Methodology
- ❖ Seismic hazard analysis